

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A three-dimensional image display method comprising:
detecting a position of a light source existing in real space;
comparing the position of the light source and a virtual position of a display object
in a three-dimensional image to obtain a relative positional relation therebetween; and
shading in the three-dimensional image.
2. (Original) The method according to claim 1, further comprising:
detecting lightness of the light source.
3. (Currently amended) A three-dimensional image display method comprising:
detecting positions of a plurality of light sources existing in real space;
comparing each of the positions of the light sources and a virtual position of a
display object in a three-dimensional image to obtain relative positional relations
therebetween; and
shading in the three-dimensional image.
4. (Currently amended) The method according to claim ~~[[1]]~~ 3, further
comprising:
obtaining a position of a single virtual light source, which represents the plurality
of light sources~~[[,]]~~;

~~wherein in the comparing step,~~ the position of the virtual light source and the virtual position of the display object in the three-dimensional image to obtain the relative positional relations therebetween.

5. (Currently amended) A three-dimensional image display device comprising:
a detector which detects a position of a light source existing in real space;
an image process unit configured to compare the position of the light source and a virtual position of a display object in a three-dimensional image to obtain a relative positional relation therebetween, and to shade in the three-dimensional image.

6. (Currently amended) A three-dimensional image display device comprising:
a plurality of detectors which detects a position of a light source existing in real space;
an image process unit configured to compare the position of the light source and a virtual position of a display object in a three-dimensional image to obtain a relative positional relation therebetween, and to shade in the three-dimensional image.

7. (Currently amended) The device according to ~~claim 5~~ claim 5, further comprising:
a display surface ~~configure~~ configured to display the three-dimensional image,
wherein:
the detector is disposed on at least one of the display surface and a surface adjacent to the display surface.

8. (Currently amended) The device according to ~~claim 5~~ claim 5, further comprising:
a display surface ~~configure~~ configured to display the three-dimensional image,
wherein:
the detector is disposed to be adjacent to the display surface.

9. (Currently amended) The device according to ~~claim 5~~ claim 5, wherein the detector is disposed at a position where the detector ~~which~~ detects the light source from the light in the same direction as at least one of a display direction of the three dimensional image and a direction in which the three-dimensional image is observed.

10. (Currently amended) The device according to ~~claim 5~~ claim 5, wherein:
the detector includes three-primary colors detection means for adding colors to the shade.

11. (Withdrawn) A light direction detection device comprising:
a light detection array disposed on a substrate; and
a discontinuous light shielding member standing perpendicularly to the substrate.

12. (Withdrawn) The device according to claim 11, wherein the light shielding member has a bar shape.

13. (Withdrawn) The device according to claim 11, wherein:
the light shielding member includes a plurality of portions; and
one of the portions is different from another of the portions in thickness.

14. (Withdrawn) The device according to claim 11, wherein:
the light shielding member includes a plurality of portions; and
one of the portions is made of a different medium from that of another of the
portions.

15. (Withdrawn) The device according to claim 11, wherein an incident direction
of incident light and an incident angle of the incident light are detected on the basis of
number of shadows of the light shielding member from the root of the light shielding
member and a position of a front end portion of the shadows.